

Strebenprofil 90x90L D17/D17, Aluminium eloxiert, 8 Nuten, Rastermaß 45 mm - Bosch Rexroth 3842992420-1000

Item no. BRR-3842992420-1000

Manufacturer Bosch Rexroth

Heavy-duty aluminum strut profile, cross-section 90x90L, with 8 open slots (slot width 10 mm) and a 45 mm modular grid for demanding machine frames and assembly systems. The anodized profile is available in cut lengths from 80 mm to 6000 mm and delivers an area moment of inertia of 211.1 cm⁴ for high bending stiffness. Factory-prepared borings (M12 in all cores, D17 and D17V in the respective slots) allow immediate, form-fit assembly without reworking.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Germany
Hinweis	Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.
Weight	0.0099 kg
Zolltarifnummer	76169990

DESCRIPTION

The Strut Profile 90x90L D17/D17 from Bosch Rexroth is a large-format standard-type extruded aluminum profile with 8 open slots and a 45 mm modular dimension. It serves as the primary load-bearing structure for heavy assembly lines, machine frames, guarding enclosures, and conveyor superstructures where high rigidity and flexible connection options are essential.

- **High bending stiffness:** Area moment of inertia $I_x = I_y = 211.1 \text{ cm}^4$ and moment of resistance $W_x = W_y = 46.9 \text{ cm}^3$ - suited for load-bearing frames with long spans.
- **8 open slots (slot width 10 mm):** Allow attachment of slot-nut connectors, brackets, and accessories at any position along the profile without drilling or welding.
- **Factory-prepared machining:** M12 threads in all cores; D17 bores in slots C/H and D/G; D17V bores in slots A/F and B/E; longitudinal grooves (LF) in slots C/H and D/G - ready for immediate use.
- **Anodized aluminum (natural color):** Corrosion-resistant, abrasion-resistant, and visually clean for exposed structural areas.
- **Flexible cut lengths:** Available from 80 mm to 6000 mm; delivery unit 1 piece. Mass 6.5 kg per meter.



TECHNICAL DATA

Property	Value
Cross-section	90x90L
Dimensions [mm]	90x90
Profile type	Standard
Modular dimension [mm]	45
Slot width [mm]	10
Open slots	8
Material	Aluminum, anodized
Color	Natural
Min / max length [mm]	80 / 6000
Mass [kg/m]	6.5
Profile surface A [cm ²]	24.1
Area moment of inertia $I_x = I_y$ [cm ⁴]	211.1
Moment of resistance $W_x = W_y$ [cm ³]	46.9
Torsional moment of inertia I_t [cm ⁴]	82.1
Moment of torsion resistance W_t [cm ³]	20.1
Profile machining	M12: all cores; D17: slots C/H, D/G; D17V: slots A/F, B/E; LF: slots C/H, D/G
Packaging unit / delivery unit	1 piece
Recommended accessories	Cover cap 90x90L black; Cover cap 90x90L signal gray